

Dinesh Gautam

List of Publications by Year in descending order

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26
papers

5,044
citations

279798

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580821

25
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26
all docs

26
docs citations

26
times ranked

6247
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscarinic acetylcholine receptors: novel opportunities for drug development. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 549-560.	46.4	337
2	A Novel Experimental Strategy to Assess the Metabolic Effects of Selective Activation of a Gq-Coupled Receptor in Hepatocytes In Vivo. <i>Endocrinology</i> , 2013, 154, 3539-3551.	2.8	56
3	Critical metabolic roles of $\hat{1}^2$ -cell M3 muscarinic acetylcholine receptors. <i>Life Sciences</i> , 2012, 91, 986-991.	4.3	24
4	Novel insights into the function of $\hat{1}^2$ -cell M3 muscarinic acetylcholine receptors: therapeutic implications. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 74-80.	7.1	45
5	RGS4 is a negative regulator of insulin release from pancreatic $\hat{1}^2$ -cells in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7999-8004.	7.1	67
6	Beneficial Metabolic Effects Caused by Persistent Activation of $\hat{1}^2$ -Cell M3 Muscarinic Acetylcholine Receptors in Transgenic Mice. <i>Endocrinology</i> , 2010, 151, 5185-5194.	2.8	38
7	Hepatic Muscarinic Acetylcholine Receptors Are Not Critically Involved in Maintaining Glucose Homeostasis in Mice. <i>Diabetes</i> , 2009, 58, 2776-2787.	0.6	46
8	Distinct Muscarinic Acetylcholine Receptor Subtypes Contribute to Stability and Growth, But Not Compensatory Plasticity, of Neuromuscular Synapses. <i>Journal of Neuroscience</i> , 2009, 29, 14942-14955.	3.6	53
9	A chemical-genetic approach to study G protein regulation of $\hat{1}^2$ cell function in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19197-19202.	7.1	287
10	Neuronal M ₃ muscarinic acetylcholine receptors are essential for somatotroph proliferation and normal somatic growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6398-6403.	7.1	36
11	G Protein-Coupled Receptor (GPCR) Signaling Pathways in Beta-Cells. <i>FASEB Journal</i> , 2009, 23, 329.1.	0.5	0
12	Metabolic Roles of the M3 Muscarinic Acetylcholine Receptor Studied with M3 Receptor Mutant Mice: A Review. <i>Journal of Receptor and Signal Transduction Research</i> , 2008, 28, 93-108.	2.5	45
13	Control of Glycinergic Input to Spinal Dorsal Horn Neurons by Distinct Muscarinic Receptor Subtypes Revealed Using Knockout Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 963-971.	2.5	19
14	Muscarinic acetylcholine receptors: mutant mice provide new insights for drug development. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 721-733.	46.4	541
15	A critical role for $\hat{1}^2$ cell M3 muscarinic acetylcholine receptors in regulating insulin release and blood glucose homeostasis in vivo. <i>Cell Metabolism</i> , 2006, 3, 449-461.	16.2	246
16	Beneficial metabolic effects of M3 muscarinic acetylcholine receptor deficiency. <i>Cell Metabolism</i> , 2006, 4, 363-375.	16.2	83
17	Muscarinic acetylcholine receptor knockout mice show distinct synaptic plasticity impairments in the visual cortex. <i>Journal of Physiology</i> , 2006, 577, 829-840.	2.9	41
18	M ₁ -M ₃ Muscarinic Acetylcholine Receptor-Deficient Mice: Novel Phenotypes. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 157-160.	2.3	25

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19	Opposing Functions of Spinal M2, M3, and M4 Receptor Subtypes in Regulation of GABAergic Inputs to Dorsal Horn Neurons Revealed by Muscarinic Receptor Knockout Mice. <i>Molecular Pharmacology</i> , 2006, 69, 1048-1055.	2.3	27
20	Acetylcholine modulates cortical synaptic transmission via different muscarinic receptors, as studied with receptor knockout mice. <i>Journal of Physiology</i> , 2005, 566, 907-919.	2.9	38
21	Cholinergic Stimulation of Amylase Secretion from Pancreatic Acinar Cells Studied with Muscarinic Acetylcholine Receptor Mutant Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 995-1002.	2.5	51
22	Role for neuronal insulin resistance in neurodegenerative diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3100-3105.	7.1	563
23	Muscarinic Stimulation of Pancreatic Insulin and Glucagon Release Is Abolished in M3 Muscarinic Acetylcholine Receptor-Deficient Mice. <i>Diabetes</i> , 2004, 53, 1714-1720.	0.6	170
24	Cholinergic Stimulation of Salivary Secretion Studied with M1 and M3 Muscarinic Receptor Single- and Double-Knockout Mice. <i>Molecular Pharmacology</i> , 2004, 66, 260-267.	2.3	134
25	Conditional disruption of Î² kinase 2 fails to prevent obesity-induced insulin resistance. <i>Journal of Clinical Investigation</i> , 2004, 113, 474-481.	8.2	79
26	Role of Brain Insulin Receptor in Control of Body Weight and Reproduction. <i>Science</i> , 2000, 289, 2122-2125.	12.6	1,993